
PERSONAL DETAILS

Jehad Farouq Alhmoud, BSc., MSc., Ph.D.
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Research Gate: <https://www.researchgate.net/scientific-contributions/Jehad-F-Alhmoud-2173845932>

Google Scholar:

<https://scholar.google.com/citations?user=LfFQ1GsAAAAJ&hl=en>



EDUCATIONAL QUALIFICATIONS

2015 to 2019: **Doctor of Philosophy (Ph.D.) in Haematology and Leukaemia**
Faculty of Health and Life Sciences, **School of Medicine**, University of Liverpool, **Liverpool, United Kingdom.**
Thesis title: The Utility of a FACS-Based Micronucleus Assay for Assessment of DNA Damage

2012 to 2013: **Master of Science (MSc.) in Applied Biomedical Science- Immunology**
University of Greenwich, London, **United Kingdom.**
Thesis title: Effects of Vitamin D3 and Prostaglandin J2 on the production of MCP-1 and IL-1 in stimulated and unstimulated isolated human peripheral blood mononuclear cells.

2006 to 2010: **Bachelor of Science (BSc.) in Biotechnology and Genetic Engineering**
Philadelphia University, Amman, **Jordan.**

EXPERIENCE HISTORY

Academic Experience

2019/9- 2023/8 Assistant Professor of Haematology
Medical Laboratory Sciences, Al-Ahliyya Amman University,
Amman, Jordan

Clinical Experience

2011/2– 2011/8 Research Training, Princess Haya Biotechnology Centre, King Abdullah University Hospital, Irbid, Jordan.

COURSES TAUGHT

- Diagnostic Hematopathology (1)
- Diagnostic Hematopathology (2)
- Advanced Hematopathology
- Immunohematology and Blood Banking
- Advanced Immunohematology and Blood Banking
- Laboratory management and quality control
- Advanced Laboratory management and quality control

RESEARCH GRANT

- DMCCM travel grant to attend the UK CLL Forum, **London, UK** (2017).

CONFERENCES AND WORKSHOP

- Attended Royal College of Physicians, Haemetology-Teach in-Mersey region, Liverpool Medical institution was held on 4th Jul 2017, **Liverpool, UK.**
- Participated in UK CLL Forum Annual Scientific Day. The CLL Tumour Microenvironment: Basic Biology to Therapy. Brunei Gallery, School of Oriental & African Studies on 8th Mar 2017 in **London, UK.**
- Participated in 10th Anniversary Drug Discovery 2016 from 13-14th Oct 2016 in **Liverpool, UK.**
- qPCR Workshop was held on 6th Jun 2017, **University of Liverpool, UK.**
- ITM Workshop was held on 17th Feb 2017, **University of Liverpool, UK.**
- North West DNA Repair Network Meeting on 7th Apr 2016, **University of Liverpool, UK.**
- Scientific Symposium- North West Cancer Research Centre on 18th Mar 2016, **University of Liverpool, UK.**
- Student Master Class in Leukaemia on 28 Nov 2015 in **Royal Liverpool University Hospital, UK.**
- 1st Research Day of the Faculty of Pharmacy held on the 4th of January 2020 in the Arena Space Hotel, Amman, Jordan.

1. **Alhmoud JF**, Woolley JF, Al Moustafa AE, Malki MI. DNA Damage/Repair Management in Cancers. *Cancers (Basel)*. 2020 Apr 23;12(4):1050. doi: 10.3390/cancers12041050. PMID: 32340362; PMCID: PMC7226105.
2. Farah HS, **Alhmoud JF**, Al-Othman A, Alqaisi KM, Atoom AM, Shadid K, Shakya A, AlQaisi T. Effect of pH, Temperature and Metal Salts in Different Storage Conditions on the Stability of Vitamin C Content of Yellow Bell Pepper Extracted in Aqueous Media. *SRP*. 2020; 11(9): 661-667. doi:10.31838/srp.2020.9.97.
3. **Alhmoud JF**, Mustafa AG, Malki MI. Targeting DNA Repair Pathways in Hematological Malignancies. *International Journal of Molecular Sciences*. 2020; 21(19):7365. <https://doi.org/10.3390/ijms21197365>.
4. Al-Amleh EK, Al-Sanabra OM, Alqaisi KM, Alqaraleh M, Al-Nahal J, Hamadne L, Malki MI, **Alhmoud JF**. Investigation of the Effect of Imatinib and Hydroxyurea Combination Therapy on Hematological Parameters and Gene Expression in Chronic Myeloid Leukemia (CML) Patients. *Journal of Clinical Medicine*. 2022; 11(17):4954. <https://doi.org/10.3390/jcm11174954>
5. Hafez HA, Mahmoud SA, **Alhmoud JF**, Khafaga RHM, Kamel MA, Shaker SA. The Intergeneration Long-Lasting Consequences of Pre-Conceptional Exposure to Sofosbuvir on the Ovarian Tissues of F1 Offspring: Experimental Study on Rats. *International Journal of Molecular Sciences*. 2023; 24(18):13675. <https://doi.org/10.3390/ijms241813675>
6. Alfarrayeh, I. I., Al-Alwani, S. S., Al Qaisi, Y. T., Alsarayreh, A. Z., Al-Omari, L., & **Alhmoud, J. F.** (2023). The Toxic Impact of Silver Nanoparticles Synthesized Extracellularly by *Aspergillus flavus* on Breast Cancer Cells (MDA-MB-231), as well as Their Antibacterial Activity. *Tropical Journal of Natural Product Research (TJNPR)*, 7(9), 3936–3943. <http://www.doi.org/10.26538/tjnpr/v7i9.14>
7. Khalid M. Alqaisi, Talal S. Al-Qaisi, **Jehad F. Alhmoud**, Husni S. Farah, Thamer A. Hamdan, Khaled A. Ahmed, Elsayed Elbadrawy (2013). Hypoglycemic and Hypolipidemic Effects of Ethanol Extract of Pomegranate Peels, Rinds, and Seeds in Alloxan-Induced Diabetic Rats. *Trop J Nat Prod Res*, September 2023; 7(9):4026-4031.
8. Almomani AA, Shraim AS, Atoom AM, Abdel MBA, **Alhmoud JF**. Evaluation of the validity of the pre-marriage mean corpuscular volume value as a predictive test for b-thalassemia carrier status. *J Med Biochem*. 2023 Mar 15;42(2):195-205. doi: 10.5937/jomb0-37682. PMID: 36987417; PMCID: PMC10040200.
9. Ahmed, K. A., **Alhmoud, J. F.**, Haza'a, A. A., Farah, H. S., Alqaisi, K. M., & Al-Qaisi, T. S. (2022). The Effects of Cigarette Smoking on Haematological and Biochemical Parameters Among Healthy Adult Males: doi.org/10.26538/tjnpr/v6i3. 7. *Tropical Journal of Natural Product Research (TJNPR)*, 6(3), 339-344.
10. **Jehad F. Alhmoud**, Husni S. Farah, Talal Al-Qaisi, Wala, a Hamdan, Ghaleb A. Oriquat, Ali Atoom, Khalid M. Al-Qaisi. (2020). The Changes in Some Hematological Parameters among University Students Due to Stressful Conditions During and After Examinations Period. *Indian Journal of Forensic Medicine & Toxicology*, 15(1), 1181–1186. <https://doi.org/10.37506/ijfmt.v15i1.13578>.

11. Alhmoud, J. F., Woolley, J. F., Al Moustafa, A. E., & Mallei, M. I. (2022). 309 DNA Damage/Repair Management in Cancers. In *Advances in Medical Biochemistry, Genomics, Physiology, and Pathology* (pp. 309-339). Jenny Stanford Publishing.

MASTER THESIS SUPERVISION

- **Investigation the effect of Imatinib and Hydroxyurea combination therapy on hematological parameters and gene expression in Chronic Myeloid Leukemia (CML) patients** by Esra'a Kamal Al-Amleh (main supervisor)
- **The effect of genetic polymorphisms on Iron status in iron deficiency anemic patients** by Rahaf Ahmad Abusakha (main supervisor)
- **Investigation of TET2 (tet methylcytosine dioxygenase 2) expression in the patients with Behcet disease and its relation with disease progression** by Neven Najeh Odeh (main supervisor)
- **Evaluation of the validity of the pre-marriage Mean Corpuscular Volume value as a predictive test for β thalassemia carrier state** by Ali Ahmad Al Momani (co-supervisor)
- **The impact of obesity on zinc, iron, and inflammatory markers levels in male and female Jordanian population** by Hadeel Hani Ahmed (main supervisor)
- **Evaluating abnormal hemoglobin variants and Rh blood group among pregnant women attending antenatal care in Jordan** by Suha Ibrahim Al Zaghal (main supervisor)
- **The Association between Nuclear Factor Kappa B Gene polymorphism S28362491 and MIR-503 in Jordanian Chronic Myeloid Leukemia (CML) patients** by Rama Turki Alshare (main supervisor)
- **The expression of miRNA-21 in relation to Nuclear Kappa B Gene Polymorphism S28362491 as a candidate diagnostic molecule for Chronic Myeloid Leukemia** by Sarah Naseer Dala-Ali (main supervisor)
- **The Association between Jenus Kinase 2 (JAK 2) and Factor 5 Leiden (FVL) Mutation on the Thrombotic among Patients with Myeloproliferative Disorder** by Tofaha Sulaiman Abas Al-Twaissi (main supervisor)
- **Investigate a novel blood-based biomarker (Progastrin) for the detection of breast cancer** by Hanady Zakarria Idais (main supervisor)
- **The Association between Potential Nuclear Factor Kappa B Gene Polymorphism S28362491 and miRNA-206 Level in Chronic Myeloid Leukemia Patients in Jordan** by Shahd Bilal Horani (main supervisor)
- **Prevalence of occult hepatitis B infection among blood donor population in Jordan** by Fatima Hussien Alshabatat (main supervisor)
- **The Association between Potential Nuclear Factor Kappa B Gene Polymorphism S28362491 and miRNA-766-3p Level in Chronic Myeloid Leukemia Patients in Jordan** by Nada Loay Odeh (main supervisor)

MASTER THESIS COMMITTEE MEMBERSHIP

- Association of miR-16-5p, miR-142-3p, and miR-144-3p with the gestational diabetes in Jordan by Doa'a Alawasa (internal examiner).
- Effect of Palbociclib on expression of platelets activation markers 'CD62P' after co-culture with breast cancer cells by Basma Abu Msafer (internal examiner).
- Assessment of natriuretic peptide and high sensitivity troponin T in pregnant women with preeclampsia by Banan Alrawashdeh (internal examiner).
- The expression profile of selected circulating microRNA as a candidate diagnostic molecule for liver cirrhosis by Dani Alhalaseh (internal examiner).
- Investigation of the effect of ribociclib and Letrozole on platelet activation by Dania Alrawashdeh (internal examiner).

MEMBERSHIP

- British Association of Cancer Research (BACR).
- European Association of Cancer Research (UACR).

RESEARCH INTERESTS

- DNA damage in Haematological malignancies.
- Resistance of Leukaemia/ Lymphoma cell lines to immune/ chemotherapies.
- The effect of chemotherapeutics on B cell receptor signaling in CLL.
- Investigate the expression of various miRNAs as a candidate diagnostic molecule in several hematological malignancies.